LAMINATED FILTERS

EUROPE 1.0 FILTERS

ASTRALPOOL



- Made of polyester resin and fibreglass.
- Equipped with pressure gauge, and manual air and water purge valves.
- Ø 400 mm top lid.
- Suitable for filtration velocity of 20, 30, 40 and 50 $m^3/h/m^2$.
- All filters can be assembled with valve manifold.
- Collector arms and optional nozzle plate.

Bed depth 1 m

Maximum pressure: 2.5 kg/cm² - 4 kg/cm²

Does not include valve manifold

Optional: Standard American sizes

Coding options according to table on page 140

					BED DEPTH 1 M		
Ø Internal diameter	Filtration Area	Filtration velocity	Recommended flow	Connections Ø tube	Code filter[1]		Valve manifold Manual, 5-valve code for 1 filter
mm	m^2	$m^3/h/m^2$	m^3/h	mm	2.5 bar	4 bar	
1050	0.87	20*	17	63	20070	34270	00769 EU 10
		30/40**	25/34	75	20071	34271	00771 EU 10
		50	43	90	20072	34272	00776 EU 10
1200	1.13	20/30	22/33	75	20068	34273	00771 EU 12
		40/50	45/56	90	20069	34274	00776 EU 12
1400	1.54	20	30	75	21497	34276	00771 EU 14
		30	46	90	21498	34277	00776 EU 14
		40/50	61/77	110	21499	34278	00780 EU 14
1600	2.01	20	40	90	21500	34280	00776 EU 16
		30/40	60/80	110	21501	34281	00780 EU 16
		50	100	125	21502	34282	00785 EU 16
1800	2.54	20	50	90	21503	34285	00776 EU 18
		30	76	110	21504	34286	00780 EU 18
		40	101	125	21505	34287	00785 EU 18
		50	125	140	21506	34288	00789 EU 18
2000	3.14	20	62	110	21507	34290	00780 EU 20
		30	94	125	21508	34291	00785 EU 20
		40	125	140	21509	34292	00789 EU 20
		50	157	160	21510	34293	09177 EU 20
2350	4.34	20	87	125	33820		00785 EU 23
		30	130	140	33822		00789 EU 23
		40	174	160	33824		09177 EU 23
		50	217	200	33826		09180 EU 23
2500	4.91	20	100	140	34302		00789 EU 25
		30	150	160	34303		09177 EU 25
		40	200	200	34304		09180 EU 25
		50	225	225	34305		09185 EU 25

[1] The filter code does not include filter media or valve manifold.

LAMINATED FILTERS

EUROPE 1.0 FILTERS

ASTRALPOOL

TECHNICAL FEATURES

Filter Media Loads and Valve manifold options on pages 142 and 144







STANDARD EQUIPMENT	Filter with laterals Collector system slots 0.3 mm	Filter with nozzle plate Collector system slots 0.5 mm
Top manhole Ø 400	Ø 1050 - 2500	
Air relief 3/4"	Ø 1050 - 2500	
Sand drain Ø 200	Ø 1050 - 2500	Lateral manhole is recommended
Water drain 3/4"	Ø 1050 - 2500	

OPTIONS TABLE		Ø (mm)	Pressure (bar)
Nozzle plate [1]		1050 - 2500	2.5 - 4
Lateral manhole [M]	Ø 225 mm	1050 - 2500	2.5 - 4
	Ø 400 mm	1050 - 2500	2.5 - 4
Sight glass [S]	Ø 75 mm	1050 - 2500	2.5 - 4
	Ø 135 mm	1050 - 2500	2.5 - 4
Vinylester. Ozone use [4]		1050 - 2500	2.5 - 4
Use with salt water [5]		1050 - 2500	2.5 - 4
Use with drinking water [6]		1050 - 2500	2.5 - 4

[1] Nozzle plate with 0.5 mm slots suitable for air scouring.

[M] Recommendation: The lateral manhole option is for all filters with nozzle plate or with laterals, whose height (H) is higher than 2 m. The main reason is to facilitate the access to the interior without working at height. More than one lateral manhole can be installed. The distance between the inlet/outlet ports and the manhole is always the same, rotated 45° to the right by default. It can be modified as per your requirements.

[S] More than one Sight Glass can be placed. The vertical position is standard and the center of the sight glass is placed at the level of the media, rotated 45° to the left of the inlet/outlet by default. It can be modified as per your requirements.

[4] Maximum concentration of ozone 0.5 ppm in the water and maximum temperature 40°.

[5] Maximum allowed concentration of salt 45 gr/l (seawater).

[6] A certificate of the material suitable for use with drinking water is included.

Ø (mm)	A (H) (mm)	B (M) (mm)	H (mm)	L (mm)	Ø P (mm)	Net Weight kg	Standard Volume m^3	Weight in service kg
1050	540	270	1860	1300	760	125	2.823	2060
1200	570	350	1860	1300	850	150	3.597	2600
1400	615	400	2000	1350	1083	214	4.9	3500
1600	710	400	2100	1330	1230	230	6.5	4700
1800	725	400	2200	1300	1370	344	8.8	6150
2000	805	400	2200	1350	1558	435	10.58	7800
2350	950	400	2430	1380	1830	600	15.7	10766
2500	1015	500	2525	1500	1830	630	-	13800

LAMINATED FILTERS



EUROPE 1.2 FILTERS

ASTRALPOOL

- Made of polyester resin and fibreglass.
- Equipped with pressure gauge, and manual air and water purge valves.
- Ø 400 mm top lid.
- Suitable for filtration velocity of 20, 30, 40 and 50 $m^3/h/m^2$.
- All filters can be assembled with valve manifold.
- Collector arms and optional nozzle plate.

Bed depth 1.2 m

Maximum pressure: 2.5 kg/cm^2.

Does not include valve manifold

Optional: Standard American sizes

Coding options according to table on page 140

					BED DEPTH 1.2 M	
Ø Internal diameter	Filtration Area	Filtration velocity	Recommended flow	Outlet Ø	Code filter[1]	Valve manifold Manual, 5-valve code for 1 filter
mm	m^2	$m^3/h/m^2$	m^3/h	mm	2.5 bar	
1050	0.87	20*	17	63	31857	00769 EU 10
		30/40**	25/34	75	31858	00771 EU 10
		50	43	90	31859	00776 EU 10
1200	1.13	20/30	22/33	75	31860	00771 EU 12
		40/50	45/56	90	31861	00776 EU 12
1400	1.54	20	30	75	21511	00771 EU 14
		30	46	90	21512	00776 EU 14
		40/50	61/77	110	21513	00780 EU 14
1600	2.01	20	40	90	21514	00776 EU 16
		30/40	60/80	110	21515	00780 EU 16
		50	100	125	21516	00785 EU 16
1800	2.54	20	50	90	21517	00776 EU 18
		30	76	110	21518	00780 EU 18
		40	101	125	21519	00785 EU 18
		50	125	140	21520	00789 EU 18
2000	3.14	20	62	110	21521	00780 EU 20
		30	94	125	21522	00785 EU 20
		40	125	140	21523	00789 EU 20
		50	157	160	21524	09177 EU 20
2350	4.34	20	87	125	33821	00785 EU 23
		30	130	140	33823	00789 EU 23
		40	174	160	33825	09177 EU 23
		50	217	200	33827	09180 EU 23
2500	4.91	20	100	140	34306	00789 EU 25
		30	150	160	34307	09177 EU 25
		40	200	200	34308	09180 EU 25
		50	225	225	34309	09185 EU 25

[1] The filter code does not include filter media or valve manifold

LAMINATED FILTERS

EUROPE 1.2 FILTERS

ASTRALPOOL

TECHNICAL FEATURES

Filter Media Loads and Valve manifold options on pages 142 and 144





FILTER WITH LATERALS



FILTER WITH NOZZLE PLATE

STANDARD EQUIPMENT	Filter with laterals Collector system slots 0.3 mm	Filter with nozzle plate Collector system slots 0.5 mm
Top manhole Ø 400	Ø1050 - 2500	
Air drain 3/4"	Ø1050 - 2500	
Sand drain Ø 200	Ø1050 - 2500	Lateral manhole is recommended
Water drain 3/4"	Ø 1050 - 2500	

OPTIONS TABLE		Ø (mm)	Pressure (bar)
Nozzle plate [1]		1050 - 2500	2.5
Lateral manhole [M]	Ø 225 mm	1050 - 2500	2.5
	Ø 400 mm	1050 - 2500	2.5
Sight glass [S]	Ø 75 mm	1050 - 2500	2.5
	Ø 135 mm	1050 - 2500	2.5
Vinylester. Ozone use [4]		1050 - 2500	2.5
Use with salt water [5]		1050 - 2500	2.5
Use with drinking water [6]		1050 - 2500	2.5

[1] Nozzle plate with 0.5 mm slots suitable for air scouring.

[M] Recommendation: The lateral manhole option is for all filters with nozzle plate or with laterals, whose height (H) is higher than 2 m. The main reason is to facilitate the access to the interior without working at height. More than one lateral manhole can be installed. The distance between the inlet/outlet ports and the manhole is always the same, rotated 45° to the right by default. It can be modified as per your requirements.

[S] More than one Sight Glass can be placed. The vertical position is standard and the center of the sight glass is placed at the level of the media, rotated 45° to the left of the inlet/outlet by default. It can be modified as per your requirements.

[4] Maximum concentration of ozone 0.5 ppm in the water and maximum temperature 40°.

[5] Maximum allowed concentration of salt 45 gr/l (seawater).

[6] A certificate of the material suitable for use with drinking water is included.

Ø (mm)	A (H) (mm)	B (M) (mm)	H (mm)	L (mm)	Ø P (mm)	Net Weight kg	Standard Volume m^3	Weight in service kg
1050	540	270	2060	1480	760	140	3.04	2375
1200	570	350	2060	1480	850	155	3.89	2950
1400	615	400	2200	1520	1085	215	6.27	4000
1600	710	400	2300	1550	1230	255	8.31	5475
1800	725	400	2400	1570	1370	385	10.65	6950
2000	805	400	2400	1570	1560	4265	12.90	8800
2350	950	400	2630	1580	1830	630	16.80	12180
2500	1015	500	2675	1700	1830	860	-	14460